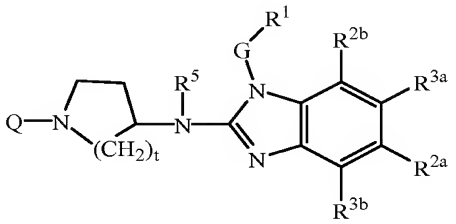
ABSTRACT

PIPERIDINE-AMINO-BENZIMIDAZOLE DERIVATIVES AS INHIBITORS OF RESPIRATORY SYNCYTIAL VIRUS REPLICATION

The present invention concerns piperidine-amino-benzimidazoles having inhibitory activity on the replication of the respiratory syncytial virus and having the formula



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their prodrugs, *N*-oxides, addition salts, quaternary amines, metal complexes and stereochemically isomeric forms wherein Q is C_{1-6}alkyl optionally substituted with trifluoromethyl, C_{3-7}cycloalkyl, Ar^2, hydroxy, C_{1-4}alkoxy, C_{1-4}alkylthio, Ar^2-oxy-, Ar^2-thio-, $Ar^2(CH_2)_n$oxy, $Ar^2(CH_2)_n$thio, hydroxycarbonyl, aminocarbonyl, C_{1-4}alkyl-carbonyl, Ar^2carbonyl, C_{1-4}alkoxycarbonyl, $Ar^2(CH_2)_n$carbonyl, aminocarbonyloxy, C_{1-4}alkylcarbonyloxy, Ar^2carbonyloxy, $Ar^2(CH_2)_n$carbonyloxy, C_{1-4}alkoxy-carbonyl$(CH_2)_n$oxy, mono- or di(C_{1-4}alkyl)aminocarbonyl, mono- or di(C_{1-4}alkyl)-aminocarbonyloxy, aminosulfonyl, mono- or di(C_{1-4}alkyl)aminosulfonyl or a heterocycles selected from the group consisting of pyrrolidinyl, pyrrolyl, dihydropyrrolyl, imidazolyl, triazolyl, piperidinyl, homopiperidinyl, piperazinyl, morpholinyl, thiomorpholinyl, 1-oxo-thiomorpholinyl, 1,1-dioxothiomorpholinyl, pyridyl and tetrahydropyridyl, wherein each of said heterocycle may optionally be substituted with oxo or C_{1-6}alkyl; G is a direct bond or optionally substituted C_{1-10}alkanediyl; R^1 is Ar^1 or a monocyclic or bicyclic heterocycle; one of R^{2a} and R^{3a} is C_{1-6}alkyl and the other one of R^{2a} and R^{3a} is hydrogen; in case R^{2a} is different from hydrogen then R^{2b} is hydrogen or C_{1-6}alkyl, and R^{3b} is hydrogen; in case R^{3a} is different from hydrogen then R^{3b} is hydrogen or C_{1-6}alkyl, and R^{2b} is hydrogen; t is 1, 2 or 3; Ar^1 is phenyl or substituted phenyl; and Ar^2 is phenyl or substituted phenyl. It further concerns their preparation and compositions comprising them, as well as their use as a medicine.